



# FY 2022 Bridge Replacements

P.I. No.: 0018124

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# Disclaimer Statement

During this industry forum, Georgia DOT will provide information about the project's delivery goals, anticipated scope, anticipated Design-Build procurement process, and potential risks.

This is a recorded presentation. **Any information provided by Georgia DOT shall be considered as informational only and is subject to change.**

# Agenda

- Design-Build (DB) Overview – Andrew Hoenig
- FY 2022 Bridge Replacements – Anthony Tate
- Procurement Overview – Andrew Hoenig



# Design-Build Overview

**Andrew Hoenig, P.E., DBIA**



# Design-Build Overview

## **Design-Build**

- Combines preconstruction-related services with construction services into one contract.
- Allows the contractor to participate in the project's design in an effort to improve communications, expedite project delivery, and reduce costs.

## **Governed by:**

- 23 Code of Federal Regulations (CFR) Part 636
- Georgia Code Section 32-2-81 (Enacted 2004)
- Board Rules, Chapter 672-18 (Adopted 2006 and 2013)

# Upcoming Design-Build Projects

Project	PI Number(s)	County	Anticipated Selection Method	Letting
SR 400 Phase 1 DB Project	0001757	Fulton	2 Ph Low Bid	Q2 2022
I-285 Westbound Auxiliary Lane Extension	0017130	Fulton	2 Ph Low Bid	Q2 2022
FY 2022 Bridge Replacements	0018124	District 4	2 Ph Low Bid	Q3 2022
SR 316 @ SR 211 & SR 316 @ Barber Creek Rd	0010352 0013910	Barrow	BV	Q2 2023
SR 316 @ Jimmy Daniel Rd, SR 316 @ Virgil Langford & SR 316 @ Oconee Connector	0013767 0013768 0013769	Oconee	BV	Q4 2023
SR 25 @ Darien River Bridge Replacement	0013599	McIntosh	TBD	Q4 2023
SR 316 @ Carl - Bethlehem Rd & SR 316 @ Kilcrease Rd	0013902 0013903	Barrow	BV	Q2 2024

# FY 2022 Bridge Replacements Overview

**Anthony Tate**

OAD Project Manager



# Project Overview

- Replaces six bridges in District 4
- Using Limited Impact Bridge Program (LIBP) criteria where applicable
- Local road closures for 90 to 180 days at each bridge with off-site detours
  - Both bridges in Calhoun County may not be closed simultaneously, their detour routes will overlap.
- State-funded project



**2023**

Construction starts



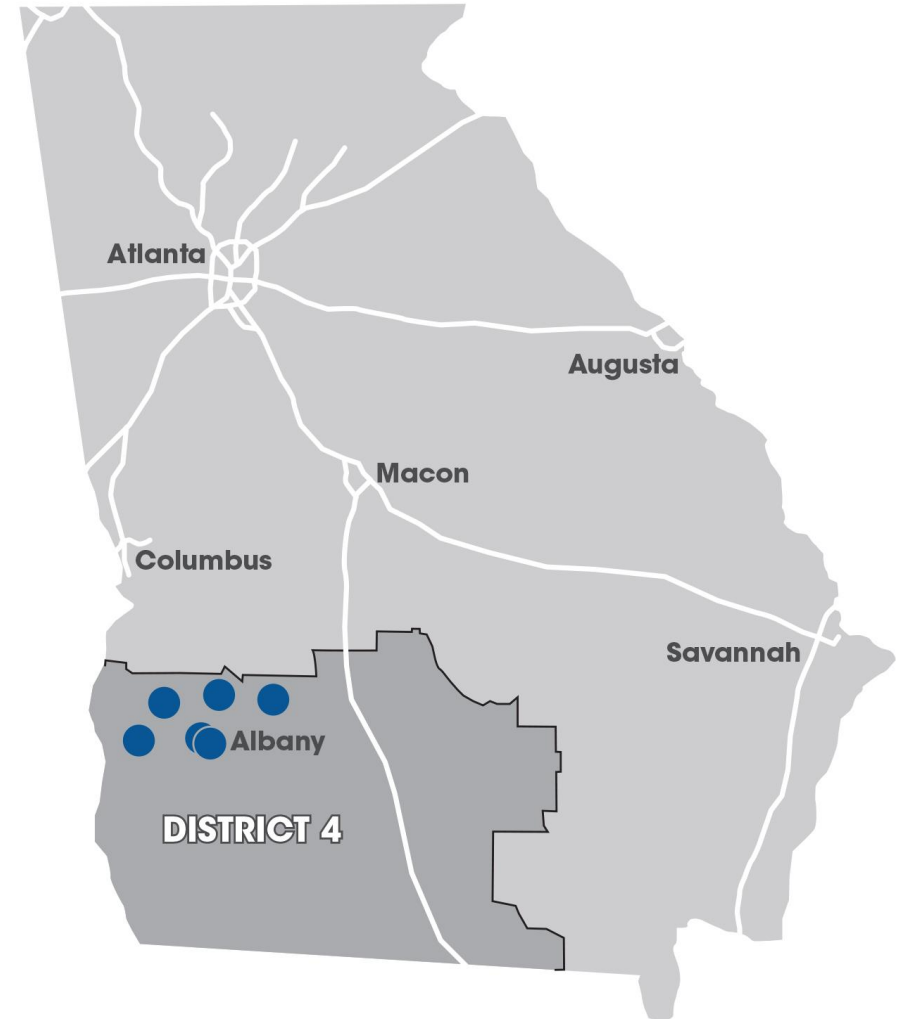
**2025**

Substantial Completion



# Bridge Locations

County	Location	Over
Calhoun	CR 149/ Elam Church Road	Falling Creek
Calhoun	CR 134/ Rice Road	Falling Creek
Lee	CR 3/ Smithville Road	Muckaloochee Creek
Randolph	CR 160/ Morgan Road	Cemochechobee Creek
Randolph	CR 152/ Recreation/Camp	Pachitla Creek
Terrell	CR 82/ Cox Road	Mossy Creek





# Bridge Images





# Design-Builder Roles and Responsibilities

- Design and construction
- Schedule development/management
- Maintain traffic control and construction signage
- Detour notification support
- Utility coordination
- Complete project within a defined timeline

# Georgia DOT Roles and Responsibilities

- Submittal review by Georgia DOT/GEC
- Media relations by Georgia DOT
- Construction Oversight/CEI
  - Material Testing will be provided by OMAT
  - CEI performed by Georgia DOT's Office of Alternative Delivery (OAD), supported by a consultant to be procured by OAD. CEI consultant may not be a Prime consultant or an Engineer of Record on any Design-Builder.



# Risks and Mitigation Strategies

Risk	Mitigations for RFP
Environmental	<ul style="list-style-type: none"> <li>• CE approval by Q2 2022</li> <li>• Re-eval anticipated during post-let</li> </ul>
Utilities	<ul style="list-style-type: none"> <li>• Limited number of utility adjustments are anticipated</li> <li>• Subsurface Utility Engineering files will be included in the RFP</li> </ul>
Right-of-Way	<ul style="list-style-type: none"> <li>• No anticipated major ROW acquisitions</li> </ul>
DE/DV	<ul style="list-style-type: none"> <li>• To be provided in the RFP</li> </ul>

# Risks and Mitigation Strategies

Risk	Mitigations for RFP
Geotechnical	<ul style="list-style-type: none"> <li>Existing BFIs and Soil Survey will be provided</li> </ul>
Local Outreach	<ul style="list-style-type: none"> <li>Early and ongoing coordination with stakeholders</li> </ul>
Cost Estimate	<ul style="list-style-type: none"> <li>Continue to monitor industry trends</li> </ul>
Overall Contract Duration	<ul style="list-style-type: none"> <li>Established in RFP</li> <li>Critical Path Method Schedule is required</li> </ul>

# Procurement Overview

Andrew Hoenig, P.E., DBIA



# Procurement Method

- Two-Phase Low bid
- Technical proposals will be reviewed on a pass/fail basis
- Price proposals developed based on the advertised RFP
- Apparent Successful Proposer shall be the Responsive Proposer who submits the Lowest Qualified Price for the project



# Anticipated Area Classes for Lead Design Consultant

NUMBER	AREA CLASS
3.01	Rural Roadway Design

# Anticipated Area Classes for DB Team Members

NUMBER	AREA CLASS
<b>1.06 (a)</b>	NEPA Documentation
<b>1.06 (b)</b>	History
<b>1.06 (c)</b>	Air Studies
<b>1.06 (d)</b>	Noise Studies
<b>1.06 (e)</b>	Ecology
<b>1.06 (f)</b>	Archaeology
<b>1.06 (g)</b>	Freshwater Aquatic Surveys
<b>1.06 (h)</b>	Bat Surveys
<b>3.10</b>	Utility Coordination
<b>3.12</b>	Hydraulic and Hydrological Studies (Roadway)

NUMBER	AREA CLASS
<b>4.01 (a) or (b)</b>	Minor Bridge Design
<b>4.04</b>	Hydraulic and Hydrological Studies (Bridges)
<b>5.01</b>	Land Surveying
<b>5.02</b>	Engineering Surveying
<b>5.03</b>	Geodetic Surveying
<b>5.08</b>	Overhead/Subsurface Utility Engineering (SUE)
<b>6.02</b>	Bridge Foundation Studies
<b>9.01</b>	Erosion, Sedimentation and Pollution Control Plan (ESPCP) Preparation
<b>9.03</b>	Field Inspections for Compliance of Erosion and Sedimentation Control Device Installations

# RFQ Evaluation Criteria

- SOQ Evaluation Criteria (All Qualified)
  - Statements of Qualifications (SOQ) will be evaluated on a pass/fail basis.
  - Proposers that are deemed eligible, may submit a price and technical proposal in response to the RFP in accordance with criteria included in the Design-Build Manual.

# RFQ Evaluation Criteria

- RFQ Required/Key Personnel
  - Lead Contractor Project Manager
  - Lead Design Consultant Project Manager
  - Engineer of Record
  - Contractor Superintendent
  - Quality Control Manager



# Required Information – RFQ Phase (1/3)

- Lead Contractor/Lead Design Consultant basic company information
- Lead Contractor Certificate of Qualifications
- Lead Design Consultant and subconsultants Notice of Professional Consultant Qualifications
- Matrix listing proposer's Georgia DOT Prequalified Area Classes
  - Respondent's team must have an identified team member that is prequalified for each of the foregoing GDOT Prequalified Area Classes
- Exhibit II
  - Certification Form for Lead Contractor
  - Certification Form for Lead Design Consultant

## Required Information – RFQ Phase (2/3)

- Statements of Disclosure (Conflict of Interest)
- Organizational Chart and Narrative
- Letters regarding financial capacity of Respondent, Lead Contractor, and Lead Design Consultant
- Signed Certificate and Acknowledgment (bond) Form

## Required Information – RFQ Phase (3/3)

- **Industrial Safety Record**
- **Key Personnel experience and qualifications**
  - 10 years industry experience for each Key Personnel position and should include at least three years of experience in the same or similar role for projects of similar size and complexity as the Project
- **Lead Contractor experience and qualifications**
  - At least three construction projects delivered using Design-Build and/or Design-Bid-Build projects which collectively demonstrate similar size, function, scope of the project, project understanding and Design-Build approach.
- **Lead Design Consultant experience and qualifications**
  - At least three design projects delivered using Design-Build and/or Design-Bid-Build contracting that demonstrate similar size, function, and/or scope of the project.

# RFP Process

- Multiple volumes
  - Instructions to Proposers
  - Design-Build Agreement
  - Technical Provisions
- Proposer feedback
  - During one-on-one meetings
  - Question and Response
- Proposal packages will include an administrative information submittal, technical proposal, and a price proposal to include firm fixed pricing secured by a proposal bond
- ATCs will be not accepted
- Georgia DOT does not plan to provide a Stipulated Fee to responsive proposers not selected for award



# Anticipated Stipulated Fee

Section 1.6 of the Design-Build Manual:

Design-Build Contract Value	Best Value	Two Phase Low Bid (with Shortlist)	Two Phase Low Bid (all qualified)	One Phase Low Bid
≥\$50 M	0.2% Minimum 0.2% Recommended	0.1% Minimum 0.2% Recommended	0% Minimum 0.1% Recommended	No Stipulated Fee
<\$50 M	0.2% Minimum 0.4% Recommended	0.1% Minimum 0.2% Recommended	0% Minimum 0.1% Recommended	No Stipulated Fee

# Tentative Procurement Schedule

ACTIVITY	
PNA Advertisement	11/19/2021
Industry Forum	12/13/2021
Industry One-on-One Meetings	12/13-14/2021
RFQ Advertisement	1/14/2022
Receive SOQs	2/10/2022
Issue RFP	3/18/2022
Receive Proposals	6/3/2022
Letting/Announce Successful Bidder	6/17/2022

# Questions?

During project procurement, all proposer questions shall be submitted to the Department via email:  
[FY22Bridges@dot.ga.gov](mailto:FY22Bridges@dot.ga.gov).

## **References:**

Georgia DOT Design-Build Web Page

<http://www.dot.ga.gov/PS/Innovative/DesignBuild>

Georgia DOT Design-Build SharePoint Site

<http://mydocs.dot.ga.gov/info/designbuild/default.aspx>

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